

Figure 1: A basic "shift-and" engine

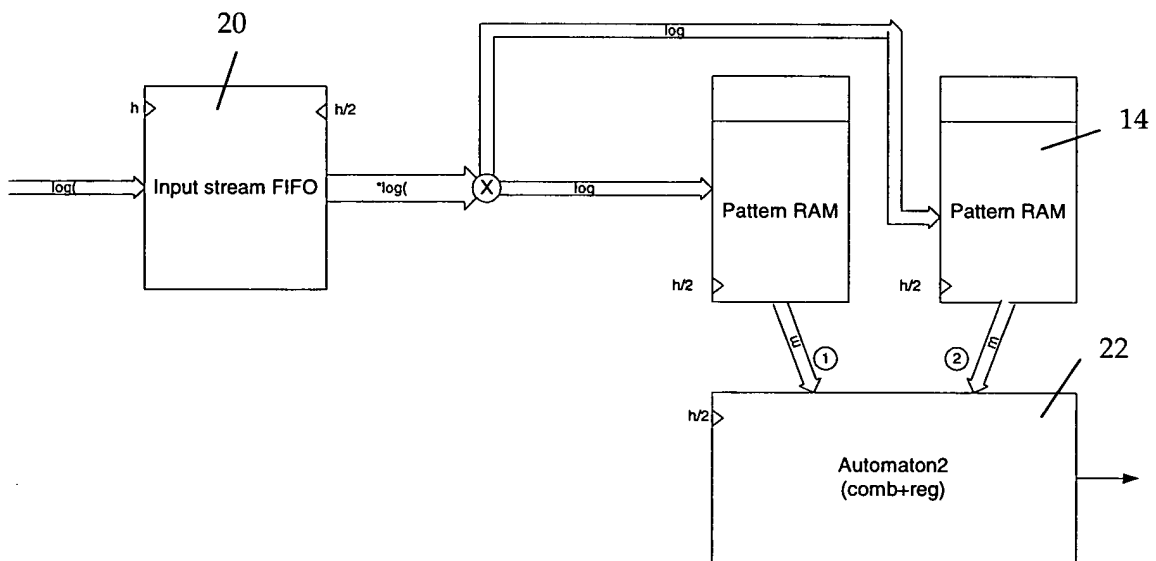


Figure 2: Optimizing for speed

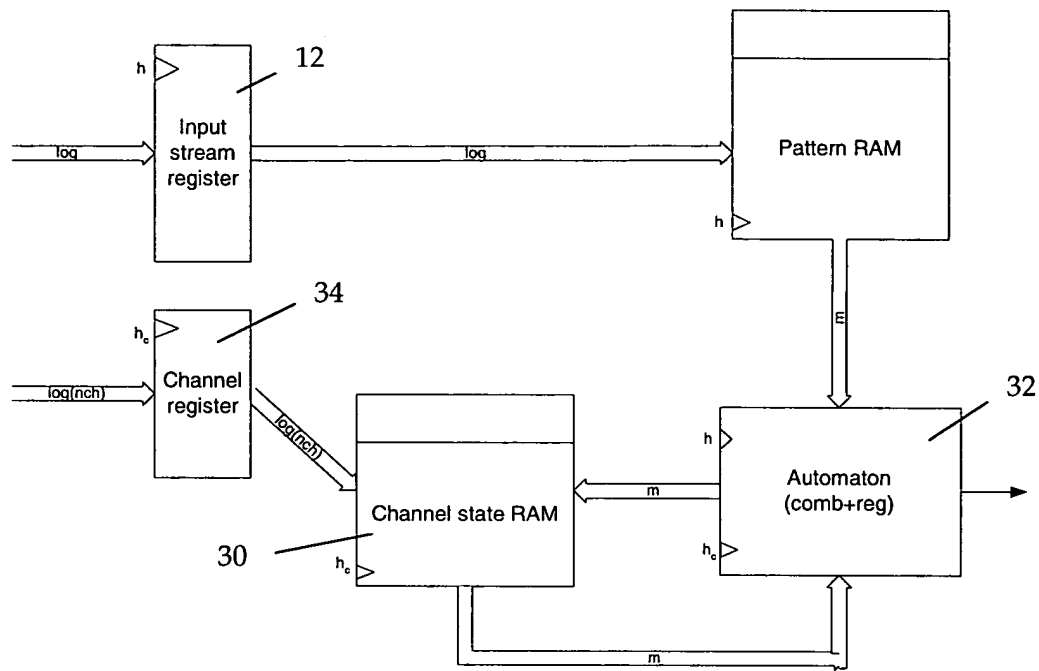


Figure 3: Channelization

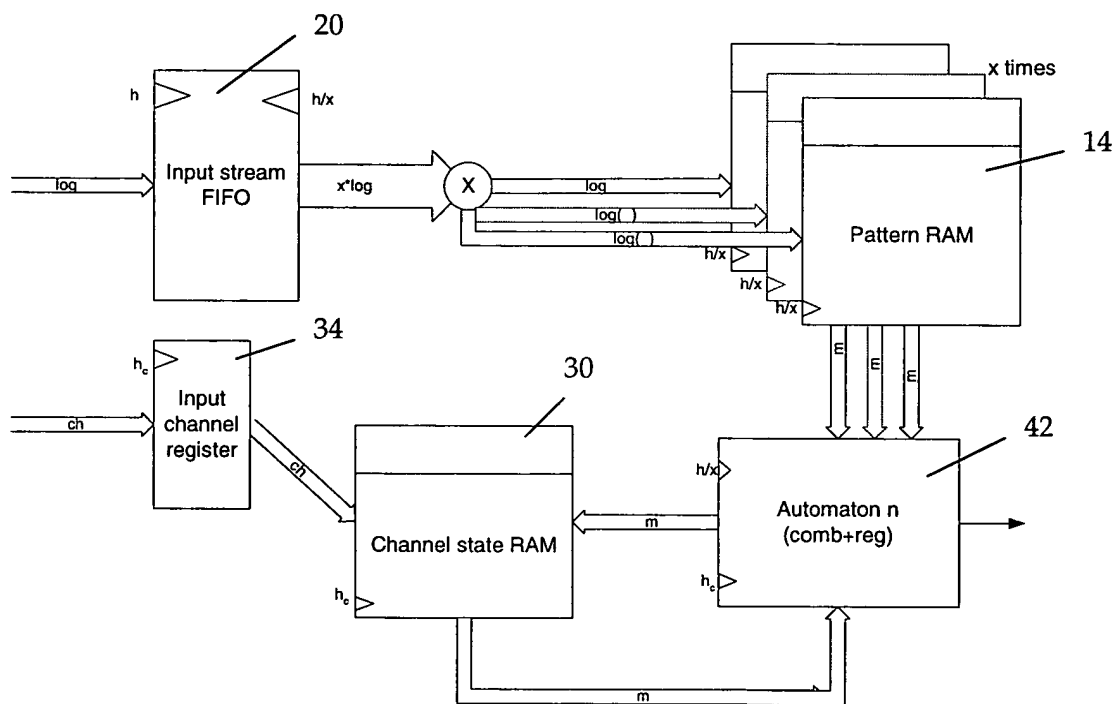


Figure 4: The fast, scalable engine

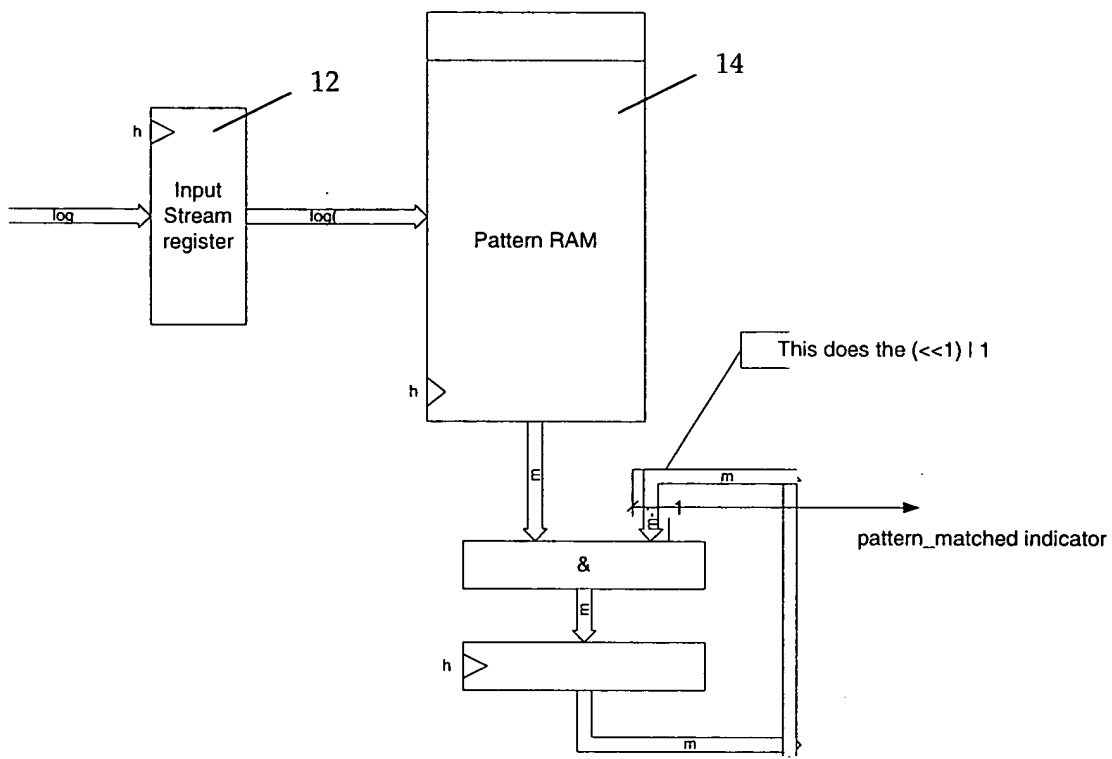


Figure 5: Details of the simple engine

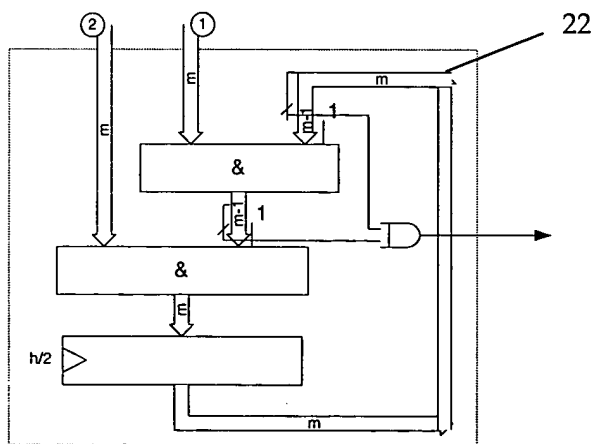


Figure 6: Details of the automaton from Figure 2

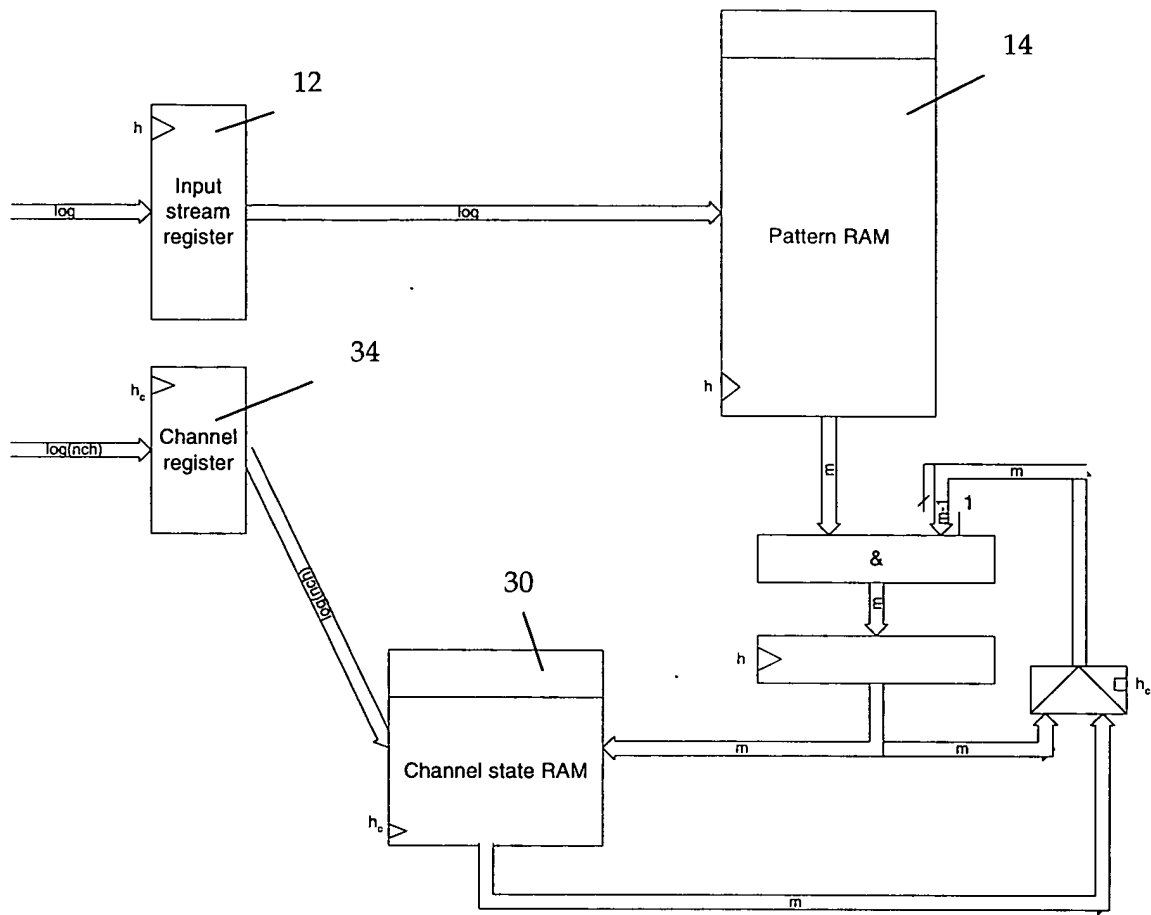


Figure 7: Details of Figure 3

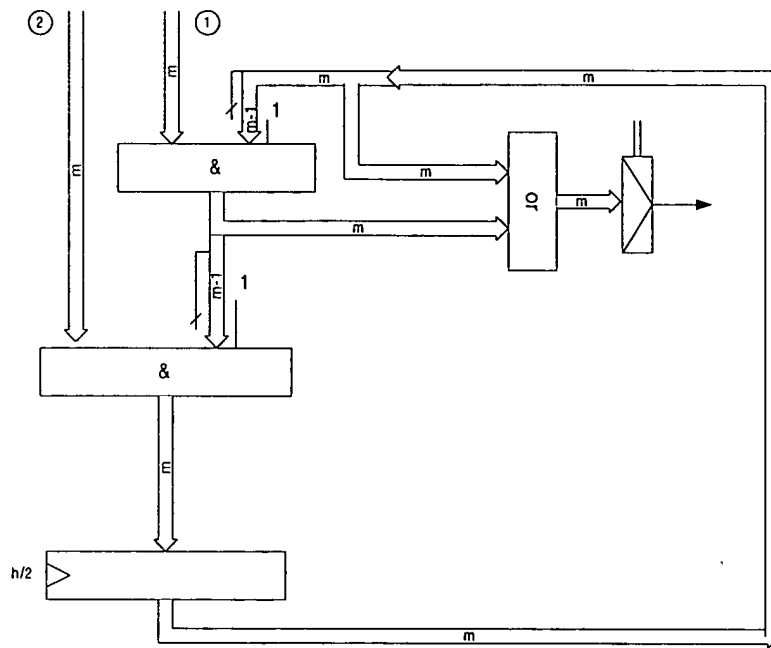


Figure 8: Tuning of the automaton for arbitrary length (short)

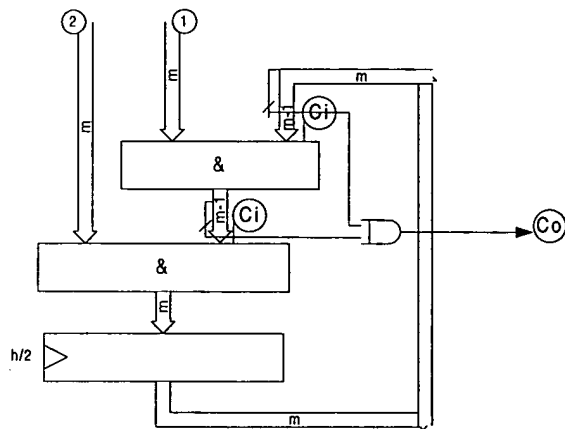


Figure 9: Tuning of the automaton for chaining

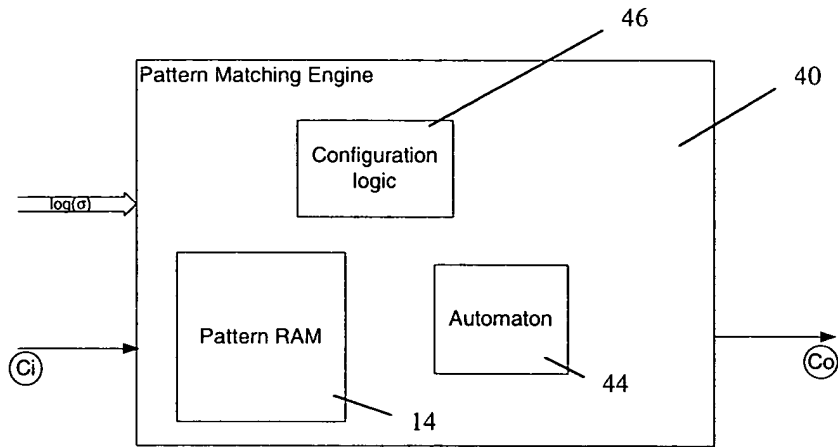


Figure 10: High level view of the engine with chaining I/O

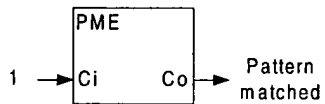


Figure 11: High level simple engine with I/O

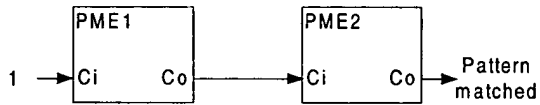


Figure 12: Matching long patterns

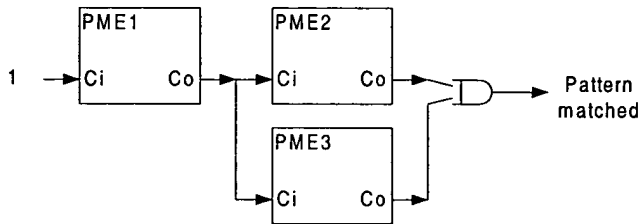


Figure 13: Support for $e_1(e_2|e_3)$

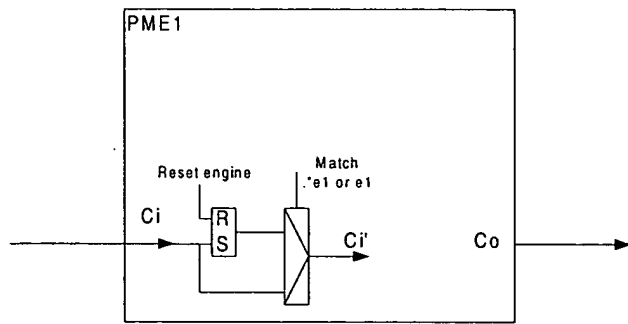


Figure 14: Support for .*e1 or e1